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position of at least £10 (frs. 250), will receive free all future publications of the congress. The funds received in respect of Life Compositions will be invested, and only the interest will be at the disposal of the executive committee. Sir Daniel Morris, D.Sc., and the Hon. N. Charles Rothschild, M.A., F.E.S., have kindly consented to act as trustees of the funds. Members who propose joining the congress, or presenting papers, are requested to address the general secretary of the executive committee, Malcolm Burr, D.Sc., care of Entomological Society of London, 11 Chandos Street, Cavendish Square, London, W.

#### ANTARCTIC EXPLORATIONS

As every one knows from the daily press the Norwegian explorer, Captain Roald Amundsen, who made the first northwest passage ever accomplished by ship, has added to his laurels by reaching the South Pole. He verifies Shackleton's report that the pole is on an ice-capped plateau more than ten thousand feet above the ocean. Amundsen also discovered ranges of mountains, the peninsularity of King Edward VII. Land, and the origin of the oceanic ice-cap, known as Ross's Barrier. As soon as information as to the extent of the scientific work is received it will receive proper notice from SCIENCE.

Of the highest importance to the standing of American antarctic explorers is the information that the Australian antarctic expedition, in the ship *Aurora*, has verified in a general manner the accuracy of the discoveries of Captain Charles Wilkes, U. S. Navy, in 1840, of the Antarctic Continent. The leader of this expedition was Dr. Douglas Mawson, well-known to the readers of SCIENCE through his location of the South Magnetic Pole, in 72° 24' S., 155° 16' E. (SCIENCE, May 10, 1910). Dr. Mawson landed, February 19, on the glaciers of Adelie Land, with a party that remains there during the Antarctic winter. Another party under Dr. White is pursuing its scientific work at Termination Land, where it landed January 18. It is hoped that this confirmation of the reliability of Ameri-

can work will be set clearly before the American people as soon as details are obtainable.

#### SCIENTIFIC NOTES AND NEWS

REAR ADMIRAL GEORGE WALLACE MELVILLE, U.S.N., retired, known for his Arctic explorations and eminent as a mechanical engineer, formerly engineer in chief of the U. S. Navy, died on March 18, aged seventy-one years.

DR. W. H. WILEY has resigned the position of chief of the Bureau of Chemistry of the Department of Agriculture, which he has held since 1883.

AMONG the degrees conferred, on the occasion of the exercises commemorating the one hundred and twenty-fifth anniversary of the University of Pittsburgh, were the following on men of science: The doctorate of laws on Edgar F. Smith, provost of the University of Pennsylvania; N. L. Britton, director of the New York Botanical Garden, and L. O. Howard, chief of the Bureau of Entomology and permanent secretary of the American Association for the Advancement of Science. The doctorate of science on Ira N. Hollis, professor of engineering at Harvard University; C. F. Scott, professor of electrical engineering at Yale University; H. D. Campbell, dean of Washington and Lee University; A. D. Mead, professor of comparative anatomy at Brown University; C. M. Snelling, dean of the University of Georgia; R. K. Duncan, director of the department of industrial research of the University of Pittsburgh; James Ewing, professor of pathology at the Cornell University Medical School, and Milton J. Greenman, director of the Wistar Institute of Anatomy.

THE Smithsonian Institution was represented at the centennial celebration of the founding of the Academy of Natural Sciences of Philadelphia this week by Dr. Charles D. Walcott, Dr. Richard Rathbun, Dr. Frederick W. True and Dr. Theodore Gill. Dr. Leonhard Stejneger represented the U. S. National Museum, and Mr. F. W. Hodge the Bureau of American Ethnology on this occasion.

A PORTRAIT of Dr. James Tyson, emeritus professor of medicine, painted by Mr. Hugh H. Breckenridge, has been presented to the University of Pennsylvania.

DR. WILHELM WUNDT, professor of philosophy at Leipzig, has been made a knight of the Prussian order "pour le mérite."

LIEUT.-COLONEL D. PRAIN, F.R.S., director of the Royal Botanic Gardens at Kew, has been elected a foreign member of the Royal Swedish Academy of Sciences, to fill the vacancy left by the death of Sir Joseph Hooker.

DR. R. RUEDEMANN, assistant state paleontologist of New York, has been elected a member of the Academy of Sciences at Halle.

M. LOUIS DE LAUNAY, professor of applied geology in the Paris School of Mines, has been elected a member of the Paris Academy of Sciences.

DR. KRÜMMEL, professor of geography at Marburg, has been elected an honorary member of the Geological Society of Frankfurt.

DR. THEO. B. COMSTOCK has resigned as secretary and chief engineer of the Board of Public Utilities of Los Angeles.

At the end of the current year Professor Frank Fanning Jewett will retire under the Carnegie Foundation from the headship of the department of chemistry of Oberlin College after thirty-two years of active service. Professor Jewett received the A.B. from Yale in 1870, followed by the A.M. in 1873. He then studied at Göttingen and the University of Berlin. His first teaching appointment was that of assistant to Dr. Wolcott Gibbs at Harvard in 1876. The next four years were spent as professor of chemistry in the Imperial University of Tokyo, Japan. He was then called to head the department at Oberlin.

THE eight men who have influenced Wisconsin agriculture most are in the order named: Professor W. A. Henry, Professor Stephen M. Babcock, ex-Governor W. D. Hoard, Hiram Smith, Professor R. A. Moore, Dean H. L. Russell, Professor F. H. King and George McKerrow, according to the articles

submitted by students of agricultural journalism in the University of Wisconsin.

MR. F. G. FIGG, formerly first assistant at the Colonial Observatory, Hongkong, has been appointed director of the Mauritius Observatory.

PROFESSOR AUG. CRAMER, of Göttingen, has been appointed the successor of Professor Ziehen, as director of the psychiatric clinic of the University of Berlin.

DR. FINGERLING, of the Agricultural School at Hohenheim, has been elected director of the Agricultural Experiment Station at Möckern.

MR. SELSKAR M. GUNN, assistant professor in the department of biology and public health of the Massachusetts Institute of Technology, has become the editor of the *Journal* of the American Public Health Association, succeeding Dr. Burt R. Rickards.

DR. WALTER S. TOWER, of the University of Chicago, sailed from New York, on March 20, for South America, where he intends to spend six months studying the economic geography of Argentina, Chile and southern Brazil.

At the summer session of the Venice Marine Biological Station of the University of Southern California from June 24 to August 2, Professor Charles L. Edwards will give a course of lectures upon marine biology and direct the work in the laboratory and upon the motor sloop *Anton Dohrn*.

DR. WILDER D. BANCROFT, professor of physical chemistry at Cornell University, lectured before the Columbia University Biochemical Association on March 15. His subject was "The Study of Environment."

At the annual meeting of the Columbia Chapter of Sigma Xi, Professor Wm. J. Gies, gave an address on the chemistry of digestion.

PROFESSOR W. K. HATT, of Purdue University, delivered an exchange lecture before the students and faculty of the College of Engineering of the University of Illinois, March 6, on "Timber Preservation." He also gave an address before the freshmen of the College on "Mountain Railways."

BEFORE the Chemical Society, London, on February 29, Sir William Ramsay delivered a memorial lecture in honor of Henri Moissan, the eminent French chemist who died five years ago.

THE death is announced of Dr. Dittmar Finkler, professor of hygiene at Bonn; of Dr. Richard von Stoffela, professor of medicine at Vienna; of Professor Richard Andree, the geographer of Brunswick, and of Dr. A. Grünhegen, professor of medical physics at Königsberg.

MR. JAMES J. HILL has announced that he will build and maintain in St. Paul a reference library to cost not less than \$350,000.

THE *Medical Record* states that at the fourth annual meeting of the national committee for mental hygiene, held in New York, on February 17, a campaign was inaugurated which has as its object the improvement of conditions affecting the mentally afflicted. An anonymous gift of \$50,000 enables the committee to start the work without delay. Dr. William L. Russell, superintendent of Bloomingdale Hospital, was appointed chairman of a subcommittee which will survey the national field, under the personal leadership of Dr. Thomas W. Salmon, of the United States Public Health and Marine Hospital Service, who has been granted leave of absence for this purpose. Dr. Llewellys F. Barker, of Johns Hopkins University, was elected president of the committee.

At a meeting held on Tuesday evening, February 20, the Minnesota Pathological Society was formed, with nearly fifty charter members present. The following officers were elected:

*President*, Dr. A. S. Hamilton.

*Vice-president*, Dr. J. S. Gilfillan.

*Secretary*, Dr. H. E. Robertson.

*Treasurer*, Dr. J. F. Corbett.

*Censors*, Drs. F. L. Adair, R. H. Mullin and H. A. Tomlinson.

THE American Scenic and Historic Preservation Society takes pleasure in announcing that it has been accorded by the United

States Department of the Interior the honor of exhibiting for the first time a collection of pictures of National Parks, made by the Interior Department for the purpose of illustrating the work of the federal government in the protection of regions of great landscape beauty and natural phenomena. By the courtesy of the National Arts Club of New York, the pictures will be hung in its galleries at No. 15 Gramercy Park, and will be on exhibition under the auspices of this society from Wednesday, March 13, until and including Saturday, March 30. During this period the public will be admitted without cards on week days, from 10 A.M. until 6 P.M. After this exhibition the pictures will be sent on a tour for similar display in different parts of the United States.

THE statement appearing in the issue of SCIENCE of February 2, on page 197, regarding the passage of a resolution by the American Economic Association in favor of an International Commission on the Cost of Living, was inaccurate. At a round table discussion led by Professor Fisher the persons present voted unanimously in favor of such a commission, but owing to a provision in its constitution providing that the Economic Association will not commit its members to any position on practical economic questions, no formal resolution was passed.

THERE will be a U. S. Civil Service examination on March 30, for the position of dairy chemist, in the Bureau of Animal Industry, at a salary of \$1,800.

AN astronomical bulletin from the Harvard College Observatory states that seven excellent photographs of the spectrum of Nova Geminorum No. 2 were taken at Harvard on March 13 and the same number on March 14. A marked change occurred in the spectrum, the photographs on the first date showing only dark lines while the hydrogen lines H $\beta$ , H $\gamma$ , H $\delta$  and H $\epsilon$  have well marked bright lines on the edge of greater wave length, on the second date. Those last photographs closely resemble those of Nova Persei No. 2, on Feb-

ruary 24, 1901. The bright lines seen with the slit spectroscope at Ann Arbor may have been too narrow on March 13, to show with an objective prism. The brightness of the star has increased, and was about 3.5 magn. on March 14.

DOFLEIN's excellent "*Lehrbuch der Protozoenkunde*," the most complete of modern works of its kind, met with such immediate success that scarcely a year had elapsed before he began a third edition. The preface of this edition is dated September 3, and the book, published by Fischer, has been on the market for two or three months. So rapid has been the advance of protozoology, that not a chapter has escaped revision, or rearrangement with additions, the net result being an increase in number of pages from 914 to 1,043. In addition to the many new species introduced there is a new chapter on species, variation and inheritance. The author's attitude on special problems has not been changed and the parasitic forms, as before, receive the bulk of attention.

A MEETING of the members of the Central Branch of the American Society of Zoologists will be held at the University of Illinois, Urbana, Illinois, in the new Natural History Building, on April 4, 5 and 6. Thirty-five members have expressed their intention to be present at this meeting, but it is expected that a large number will be able to attend. The meeting will begin with a smoker at the University Club, on April 4, when President Edmund James will address the society. The formal program will begin on Friday morning at 9:30, with an afternoon program at 2. Professor George Lefevre will deliver the presidential address at the banquet at the University Club on Friday evening. The Saturday morning program will begin at 9:30. There will also be an afternoon program, if it seems necessary. Members of the society who expect to present papers should send titles to the secretary, Professor H. V. Neal, Knox College, Galesburg, Ills., not later than March 21. The printed programs will be sent out about the twenty-fifth inst.

THE Tennessee Academy of Science was organized at a meeting held in Nashville recently. A constitution was adopted and steps taken to hold an initial meeting in April. At this meeting in addition to a regular program the officers of the academy will be elected and steps taken to extend the membership so as to include all white persons in the state who are interested in any phase of science or cognate subjects. Meetings are to be held annually on the Friday following Thanksgiving. For the present the movement centers in the office of the state geologist at Nashville.

THE Cooper Ornithological Club, an organization of western bird students, has recently established two permanent committees for the conservation of wild life. The chief objects of the club in doing this may be stated as follows: (1) To cooperate with other organizations, including the State Fish and Game Commissions and the Federal Bureau of Biological Survey, to the end that the wild life yet remaining in state and nation may be more effectively protected. (2) To work at all times for an enlightened public sentiment along lines of the conservation of wild animals. Following is the personnel of the committees. For the northern division of the club, W. P. Taylor, Museum of Vertebrate Zoology, Berkeley, *chairman*; H. C. Bryant, University of California; J. S. Hunter, State Fish and Game Commission, San Francisco; H. W. Carriger, San Francisco, and John W. Mailliard, San Francisco. For the southern division, Frank S. Daggett, director Museum of Science, Arts and History, Los Angeles, *chairman*; J. Eugene Law, Hollywood; H. J. Lelande, Los Angeles; Howard Robertson, Los Angeles, and G. Willett, Los Angeles.

A SERIES of seven lectures on "Public Health" subjects are in progress at the University of Illinois. These lectures, given on Wednesdays and Fridays, beginning March 13, are as follows: "Sociological Aspects of Public Health," by Dr. Henry B. Favill, of Rush Medical College, Chicago; "Influence of Water Supplies on Public Health," by Professor Edward Bartow, University of Illinois;

"How Not to Be Sick," by Dr. John N. Hurty, secretary of the Indiana Board of Health. "Bovine Tuberculosis and Its Relation to Public Health," by Dr. Mazyck Porcher Ravennel, professor of bacteriology at the University of Wisconsin; "The Influence of Disease on Civilization," by Dr. Victor C. Vaughan, dean of the department of medicine, University of Michigan; "Ventilation of Schoolrooms and Bedrooms," by Dr. William A. Evans, of the *Chicago Tribune*; "Milk," also by Dr. William A. Evans.

ABOUT forty students of the University of Illinois, pursuing courses in Railway Engineering or Railway Administration, have joined in forming the Railway Club of the University of Illinois. The object of the club is to provide for informal meetings for a discussion of railway problems and to promote good fellowship among its members. The officers for the present semester are: H. E. Marquette, president; A. C. Van Zandt, vice-president; W. C. Sadler, secretary; A. S. Nevins, treasurer; E. L. Tinzmann, sergeant-at-arms.

A NEW map of the state of Illinois on a scale of approximately eight miles to the inch is ready for distribution by the State Geological Survey. It is prepared in three colors so as to represent drainage features in blue; railroads, land lines, towns, etc., in black, and county boundaries and figures showing altitudes above sea level for various towns in red. This map eliminates the errors of early land surveys, so that places are now shown with correct latitude and longitude. Railroad alignments are all highly accurate.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE Massachusetts Institute of Technology has received from a donor whose name for the present is anonymous, a gift of two and a half million dollars for the erection of the buildings on its new site.

ACCORDING to the *Boston Transcript*, Harvard University has received subscriptions amounting to \$1,200,000 for the erection of freshmen dormitories.

MT. HOLYOKE College has received an anonymous gift of \$50,000 for the endowment fund which now amounts to about \$370,000.

THE University of Toronto has received from Mrs. William Freeland the gift of an endowment for a fellowship in anatomy in memory of her father, the late Dr. James H. Richardson, who for many years was professor of anatomy in the Toronto School of Medicine and the University of Toronto. The fellowship is to be known as the James H. Richardson research fellowship in anatomy, and is of the value of \$500. It is open to graduates of recognized universities and medical colleges, and to students of the University of Toronto who have completed the third year of the medical course in that institution. The holder of the fellowship will be required to devote his entire time during the tenure of the fellowship to investigation in anatomy under the direction of the professor of anatomy in the University of Toronto.

THE New York School of Applied Design for Women has received a bequest of ten thousand dollars by the will of Miss Cora F. Barnes. Also a Scholarship in Perpetuity, of one thousand dollars from Miss Catherine A. Bliss.

It should have been stated in *SCIENCE* last week that Dr. Horace David Arnold had been appointed dean of the Graduate School of Medicine of Harvard University, not of the Harvard Medical School. The graduate school of medicine is a new department of the university, being a part of the faculty of medicine. It should also have been stated that Dr. Edward Hickling Bradford would retire from the chair of orthopedic surgery and become professor emeritus.

THE Bryn Mawr European fellowship awarded to the student receiving the highest grade has been given this year to Miss Nora Cam, who has specialized in mathematics and physics. The president's European fellowship has been awarded to Miss Bernette Lois Gibbons, a student of chemistry.

CHAS. H. TAYLOR, professor of mineralogy at the University of Oklahoma, has been pro-